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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	Continuation of 09/445,865
				Filing Date	March 13, 2002
				First Named Inventor	Philip John Burke
				Group Art Unit	
				Examiner Name	
Attorney Docket Number	ERD 100 CON				
Sheet	1	of	9		

987 U.S. PTO  
 10/099830

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03/13/02

## U.S. PATENT DOCUMENTS

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Sheet	2	of	9	Attorney Docket Number		ERD 100 CON	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office. <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
[Handwritten marks]		EP	0 251 744	A2	Delta Biotechnology Ltd.	01-07-1988		
		EP	0 258 067	A2	Delta Biotechnology Ltd.	03-02-1988		
		EP	0 302 473	A2	Bristol-Myers Co.	02-08-1989		
		EP	0 415 731	A2	The Wellcome Foundation Ltd.	03-06-1991		
		WO	88/07378	A1	Cancer Research Campaign Technology Ltd.	10-06-1988		
		WO	89/10140	A1	Cancer Research Campaign Technology Ltd.	11-02-1989		
		WO	90/01063	A1	Delta Biotechnology Ltd.	02-08-1990		
		WO	91/09867	A1	Imperial Cancer Research Technology Ltd.	07-11-1991		
		WO	91/11201	A1	Imperial Cancer Research Technology Ltd.	08-07-1991		
		WO	93/08288	A1	Cancer Research Campaign Technology Ltd.	04-29-1993		
		WO	93/13805	A1	Bagshawe	07-22-1993		
		WO	93/13806	A1	Bagshawe	07-22-1993		
		WO	95/12678	A1	Cancer Research Campaign Technology Ltd.	05-11-1995		
		WO	97/07097	A1	Auckland Division Cancer Society of New Zealand	02-27-1997		
		WO	97/24143	A1	AEPACT, Ltd.	07-10-1997		
	WO	97/20580	A1	AEPACT, Ltd.	06-12-1997			
	WO	97/24143	A1	AEPACT, Ltd.	07-10-1997			
	WO	98/22577	A1	Masucci	05-28-1998			
	WO	98/24478	A2	AEPACT, Ltd.	06-11-1998			

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Sheet 3 of 9	Attorney Docket Number	ERD 100 CON	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
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		ANLEZARK, et al., "The bioactivation of 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB1954)-I. Purification and properties of a nitroreductase enzyme from Escherichia coli—a potential enzyme for antibody-directed enzyme prodrug therapy (ADEPT)," <i>Biochem. Pharmacol.</i> 1992 44(12):2289-95.	
		BETTER, et al., "Escherichia coli secretion of an active chimeric antibody fragment," <i>Science</i> 240(4855):1041-43 (1988).	
		BIRD, et al., "Single-chain antigen-binding proteins," <i>Science</i> 242(4877):423-26 (1988).	
		BISCHOFF, et al., "An adenovirus mutant that replicates selectively in p53-deficient human tumor cells," <i>Science</i> 274(5286):373-76 (1996).	
		BOLAND, et al., "The differences in kinetics of rat and human DT diaphorase result in a differential sensitivity of derived cell lines to CB 1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide)," <i>Biochem. Pharmacol.</i> 41(6-7):867-75 (1991).	
		BRADL, et al., "Malignant melanoma in transgenic mice," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 88(1):164-68 (1991).	
		BRAWER, "Prostate specific antigen. A review," <i>Acta. Oncol.</i> 30(2):161-68 (1991).	
		CHEN, et al., "Expression of rat liver NAD(P)H:quinone-acceptor oxidoreductase in Escherichia coli and mutagenesis in vitro at Arg-177," <i>Biochem. J.</i> 284 ( Pt 3):855-60 (1992).	
		CHEN, et al., "Molecular basis of the catalytic differences among DT-diaphorase of human, rat, and mouse," <i>J. Biol. Chem.</i> 272(3):1437-39 (1997).	
		CLARK, et al., "Role of the Bp35 cell surface polypeptide in human B-cell activation," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 82(6):1766-70 (1985).	

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		CONNORS & WISSON, "Cure of mice bearing advanced plasma cell tumours with aniline mustard: the relationship between glucuronidase activity and tumour sensitivity," <i>Nature</i> 210(38):866-67 (1966).	
		CORVALAN & SMITH, "Construction and characterisation of a hybrid-hybrid monoclonal antibody recognising both carcinoembryonic antigen (CEA) and vinca alkaloids," <i>Cancer Immunol. Immunother.</i> 24(2):127-32 (1987).	
		CORVALAN, et al., "Increased therapeutic effect of vinca alkaloids targeted to tumour by a hybrid-hybrid monoclonal antibody," <i>Cancer Immunol. Immunother.</i> 24(2):138-43 (1987).	
		CORVALAN, et al., "Specific in vitro and in vivo drug localisation to tumour cells using a hybrid-hybrid monoclonal antibody recognising both carcinoembryonic antigen (CEA) and vinca alkaloids," <i>Cancer Immunol. Immunother.</i> 24(2):133-37 (1987).	
		COTTEN, et al., "High-efficiency receptor-mediated delivery of small and large (48 kilobase gene constructs using the endosome-disruption activity of defective or chemically inactivated adenovirus particles," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 89(13):6094-98 (1992).	
		COUSSENS, et al., "Tyrosine kinase receptor with extensive homology to EGF receptor shares chromosomal location with neu oncogene," <i>Science</i> 230(4730):1132-39 (1985).	
		CULVER, et al., "In vivo gene transfer with retroviral vector-producer cells for treatment of experimental brain tumors," <i>Science</i> 256(5063):1550-52 (1992).	
		CURIEL, "Adenovirus facilitation of molecular conjugate-mediated gene transfer," <i>Prog. Med. Virol.</i> 40:1-18 (1993).	
		DERMER, "Another Anniversary for the War on Cancer," <i>BioTechnology</i> 12:230 (1994).	
		DRABEK, et al., "The expression of bacterial nitroreductase in transgenic mice results in specific cell killing by the prodrug CB1954," <i>Gene Ther.</i> 4(2):93-100 (1997).	

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		FRESHNEY, <i>Culture of Animal Cells: A Manual of Basic Technique</i> , Alan R. Liss, Inc., page 4, (New York, 1983).	
		FRIEDLOS & KNOX, "Metabolism of NAD(P)H by blood components. Relevance to bioreductively activated prodrugs in a targeted enzyme therapy system," <i>Biochem. Pharmacol.</i> 44(4):631-35 (1992).	
		FRIEDLOS, et al., "Identification of novel reduced pyridinium derivatives as synthetic co-factors for the enzyme DT diaphorase (NAD(P)H dehydrogenase (quinone), EC 1.6.99.2)," <i>Biochem. Pharmacol.</i> 44(1):25-31 (1992).	
		FRIEDLOS, et al., "Potentiation of CB 1954 cytotoxicity by reduced pyridine nucleotides in human tumour cells by stimulation of DT diaphorase activity," <i>Biochem. Pharmacol.</i> 44(9):1739-43 (1992).	
		GILLILAND, et al., "Universal bispecific antibody for targeting tumor cells for destruction by cytotoxic T cells," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 85(20):7719-23 (1988).	
		GREEN, et al., "Sensitization of colorectal and pancreatic cancer cell lines to the prodrug 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB1954) by retroviral transduction and expression of the E. coli nitroreductase gene," <i>Cancer Gene Ther.</i> 4(4):229-38 (1997).	
		GURA, "Systems for Identifying New Drugs are Often Faulty," <i>Science</i> 278:1041-42 (1997).	
		HARWOOD, et al., "Comparative tumour localization of antibody fragments and intact IgG in nude mice bearing a CEA-producing human colon tumour xenograft," <i>Eur. J. Cancer Clin. Oncol.</i> 21(12):1515-22 (1985).	
		HELLSTRÖM, et al., "Monoclonal mouse antibodies raised against human lung carcinoma," <i>Cancer Res.</i> 46(8):3917-23 (1986).	
		HURRELL, "Monoclonal Hybridoma Antibodies: Techniques and Applications," (CRC Press).	

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		HUSTON, et al., "Protein engineering of antibody binding sites: recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 85(16):5879-83 (1988).	
		JACKSON, et al., "The tyrosinase-related protein-1 gene has a structure and promoter sequence very different from tyrosinase," <i>Nucleic Acids Res.</i> 19(14):3799-804 (1991)	
		JAISWAL, "Human NAD(P)H:quinone oxidoreductase2. Gene structure, activity, and tissue-specific expression," <i>J. Biol. Chem.</i> 269(20):14502-08 (1994).	
		JAISWAL, "Nucleotide and deduced amino acid sequence of a human cDNA (NQO2) corresponding to a second member of the NAD(P)H:quinone oxidoreductase gene family. Extensive polymorphism at the NQO2 gene locus on chromosome 6," <i>Biochemistry</i> . 29(7):1899-906 (1990).	
		KHAN & ROSS, "Tumour-growth inhibitory nitrophenylaziridines and related compounds: structure-activity relationships," <i>Chem. Biol. Interact.</i> 1(1):27-47 (1969).	
		KNOX, et al., "The bioactivation of 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB1954)-II. A comparison of an <i>Escherichia coli</i> nitroreductase and Walker DT diaphorase," <i>Biochem. Pharmacol.</i> 44(12):2297-301 (1992).	
		KNOX, et al., "The bioactivation of CB 1954 and its use as a prodrug in antibody-directed enzyme prodrug therapy (ADEPT)," <i>Cancer Metastasis Rev.</i> 12(2):195-212 (1993).	
		KNOX, et al., "Virtual cofactors for an <i>Escherichia coli</i> nitroreductase enzyme: relevance to reductively activated prodrugs in antibody directed enzyme prodrug therapy (ADEPT)," <i>Biochem. Pharmacol.</i> 49(11):1641-47 (1995).	
		KURIYAMA, et al., "A potential approach for gene therapy targeting hepatoma using a liver-specific promoter on a retroviral vector," <i>Cell Struct. Funct.</i> 16(6):503-10 (1991).	
		LAEMMLI, "Cleavage of structural proteins during the assembly of the head of bacteriophage T4," <i>Nature</i> 227(259):680-5 (1970).	

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		LEDLEY, "Nonviral gene therapy: the promise of genes as pharmaceutical products," <i>Hum. Gene Ther.</i> 6(9):1129-44 (1995).	
		LIAO & WILLIAMS-ASHMAN, "Enzymatic oxidation of some non-phosphorylated derivatives of dihydronicotinamide," <i>Biochem. and Biophys. Res. Comm.</i> 4:208-13 (1961).	
		LIAO & WILLIAMS-ASHMAN, "Inhibition of the enzymic oxidation of some dihydropyridines by polycyclic aromatic hydrocarbons," <i>Biochem. Pharmacol.</i> 6:53-54 (1961).	
		LIAO, et al., "Purification and properties of a flavoprotein catalyzing the oxidation of reduced ribosyl nicotinamide," <i>J. Biol. Chem.</i> 237:2981-87 (1962).	
		LUNDWALL, "Characterization of the gene for prostate-specific antigen, a human glandular kallikrein," <i>Biochem. Biophys. Res. Commun.</i> 161(3):1151-9 (1989).	
		MARTIN & PAPAHAJOPOULOS, et al., "Irreversible coupling of immunoglobulin fragments to preformed vesicles. An improved method for liposome targeting," <i>J. Biol. Chem.</i> 257(1):286-8 (1982).	
		MAUGER, et al., "Self-immolative prodrugs: candidates for antibody-directed enzyme prodrug therapy in conjunction with a nitroreductase enzyme," <i>J. Med. Chem.</i> 37(21):3452-58 (1994).	
		MICHAEL, et al., "Addition of a short peptide ligand to the adenovirus fiber protein," <i>Gene Ther.</i> 2(9):660-68 (1995).	
		MILLER & VILE, "Targeted vectors for gene therapy," <i>FASEB J.</i> 9(2):190-99 (1995).	
		MORRISON, et al., "Chimeric human antibody molecules: mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 81(21):6851-55 (1984).	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	Continuation of 09/445,865
		Filing Date	March 13, 2002
		First Named Inventor	Philip John Burke
		Group Art Unit	
		Examiner Name	
Sheet 8 of 9	Attorney Docket Number	ERD 100 CON	

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		NASSANDER, et al., "In vivo targeting of OV-TL 3 immunoliposomes to ascitic ovarian carcinoma cells (OVCAR-3) in athymic nude mice," <i>Cancer Res.</i> 52(3):646-53 (1992).	
		NEUBERGER, et al., "Recombinant antibodies possessing novel effector functions," <i>Nature</i> 312(5995):604-08 (1984).	
		O'SULLIVAN, et al., "Comparison of two methods of preparing enzyme-antibody conjugates: application of these conjugates for enzyme immunoassay," <i>Anal. Biochem.</i> 100(1):100-08 (1979).	
		QUINN, "Studies on CB1954 and its analogues," A thesis submitted for the degree of Doctor of Philosophy to the University of London, 1996.	
		RIEGMAN, et al., "Characterization of the prostate-specific antigen gene: a novel human kallikrein-like gene," <i>Biochem. Biophys. Res. Commun.</i> 159(1):95-102 (1989).	
		SAIKI, et al., "Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase," <i>Science</i> 239(4839):487-91 (1988).	
		SAMBROOK, et al., <i>Molecular Cloning: A Laboratory Manual</i> Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York (1989).	
		SCHREWE, et al., "Cloning of the complete gene for carcinoembryonic antigen: analysis of its promoter indicates a region conveying cell type-specific expression," <i>Mol. Cell. Biol.</i> 10(6):2738-48 (1990).	
		SHARMA, et al., "Inactivation and clearance of an anti-CEA carboxypeptidase G2 conjugate in blood after localisation in a xenograft model," <i>Br. J. Cancer.</i> 61(5):659-62 (1990).	
		SHERWOOD, "Advanced drug delivery reviews: enzyme prodrug therapy," <i>Adv. Drug Del. Rev.</i> 22:269-88 (1996).	

Examiner's Signature	<i>Brendon Fittell</i>	Date Considered	7/15/01
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		SKERRA, et al., "Assembly of a functional immunoglobulin Fv fragment in <i>Escherichia coli</i> ," <i>Science</i> 240(4855):1038-41 (1988).	
		TROWELL, "The cytotoxic action of mitotic poisons on lymphocytes <i>in vitro</i> ," <i>Biochemical Pharmacology</i> 5:53-63 (1960).	
		WAGNER, et al., "Transferrin-polycation conjugates as carriers for DNA uptake into cells," <i>Proc. Natl. Acad. Sci. U. S. A.</i> 87(9):3410-14 (1990).	
		WARD, et al., "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," <i>Nature</i> 341(6242):544-46 (1989).	
		WHISSON & CONNORS, "Cure of mice bearing advanced plasma cell tumours with aniline mustard," <i>Nature</i> 206(985):689-91 (1965).	
		WINTER & MILSTEIN, "Man-made antibodies," <i>Nature</i> 349(6307):293-99 (1991).	
		WU, et al., "Catalytic properties of NAD(P)H:quinone oxidoreductase-2 (NQO2), a dihydronicotinamide riboside dependent oxidoreductase," <i>Arch. Biochem. Biophys.</i> 347(2):221-28 (1997).	
		ZOLA, "Monoclonal Antibodies: A manual of techniques," (CRC Press, 1988).	

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